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TRANSMITTAL FORM

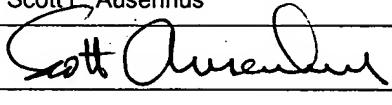
(to be used for all correspondence after initial filing)

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/766,134
		Filing Date	January 27, 2004
		First Named Inventor	Serbedzija, George N.
		Art Unit	Not yet assigned
		Examiner Name	Not yet assigned
Total Number of Pages in This Submission		Attorney Docket Number	018852-000610US

ENCLOSURES (Check all that apply)

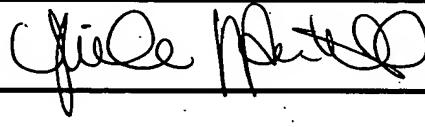
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return Postcard
		Remarks
The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.		

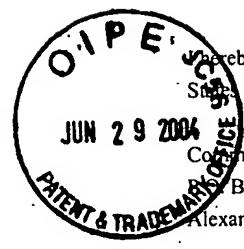
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Townsend and Townsend and Crew LLP Scott L Ausenhus	Reg. No. 42,271
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Date	6-25-04	

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TOWNSEND and TOWNSEND and CREW LLP

By: 

Nicole Wartell

PATENT
Attorney Docket No.: 018852-000610US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

George N. Serbedzija

Application No.: 10/766,134

Filed: January 27, 2004

For: METHODS FOR INTRODUCING
HETEROLOGOUS CELLS INTO FISH

Examiner: Not yet assigned

Art Unit: 1645

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. This application is a divisional of and relies upon U.S. Patent Application No. 09/451,489, filed November 30, 1999 (Attorney Docket No. 018852-000600US) for an earlier effective filing date under 35 U.S.C. §120. In accordance with 37 CFR §1.98(d), all of the references have been previously submitted to or cited by the Office in the parent application, and are therefore are not enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references

George N. Serbedzija
Application No.: NOT YET ASSIGNED
Page 2

PATENT

be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Scott L. Ausenhus
Reg. No. 42,271

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Substitute for form 1449A/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/766,134
Sheet	1	of	7	Filing Date	01-27-2004
				First Named Inventor	Serbedzija, George N.
				Art Unit	1645
				Examiner Name	Not yet assigned
				Attorney Docket Number	018852-000610US

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
	A1	US-4,220,858	09-02-1980	Ikeguchi et al.	
	A2	US-4,286,983	09-01-1981	Van Gilse et al.	
	A3	US-4,816,392	03-28-1989	Hokama	
	A4	US-4,964,615	10-23-1990	Mueller et al.	
	A5	US-5,326,692	07-05-1994	Brinkley et al.	
	A6	US-5,491,084	02-13-1996	Chalfie et al.	
	A7	US-5,506,208	04-09-1996	Eyal et al.	
	A8	US-5,510,099	04-23-1996	Short et al.	
	A9	US-5,565,187	10-15-1996	Zikria et al.	
	A10	US-5,573,909	11-12-1996	Singer et al.	
	A11	US-5,658,751	08-19-1997	Yue et al.	
	A12	US-5,672,470	09-30-1997	Hengstenberg et al.	
	A13	US-5,681,703	10-28-1997	Tomei	
	A14	US-5,744,499	04-28-1998	Quash et al.	
	A15	US-5,932,418	08-03-1999	Yager	
	A16	US-5,981,218	11-09-1999	Rio et al.	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
	B1	GB	2 080 948 A	02-10-1982			<input type="checkbox"/>
	B2	PCT	WO 96/03034	02-08-1996			<input type="checkbox"/>
	B3	PCT	WO 98/31787	07-23-1998			<input type="checkbox"/>

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¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO				Complete if Known	
				<i>Application Number</i>	10/766,134
				<i>Filing Date</i>	01-27-2004
				<i>First Named Inventor</i>	Serbedzija, George N.
				<i>Art Unit</i>	1645
				<i>Examiner Name</i>	Not yet assigned
Sheet	2	of	7	<i>Attorney Docket Number</i>	018852-000610US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	C1	Amsterdam et al., "Requirements for green fluorescent protein detection in transgenic zebrafish embryos", <u>Gene</u> , 173: 99-103 (1996).		
	C2	Armant et al., "Exposure of Embryonic Cells to Alcohol: Contrasting Effects During Preimplantation and Postimplantation Development", <u>Seminars in Perinatology</u> , 20(2): 127-139 (April 1996).		
	C3	Bakkens et al., "An important developmental role for oligosaccharides during early embryogenesis of cyprinid fish", <u>Proc. Natl. Acad. Sci. USA</u> , 94: 7982-7986 (July 1997).		
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	C16	Cicurel et al., "Post-implantation embryo culture: validation with selected compounds for teratogenicity testing", <u>Xenobiotica</u> , 18(6): 617-624 (1988).		

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				<i>First Named Inventor</i>	Serbedzija, George N.
				<i>Art Unit</i>	1645
				<i>Examiner Name</i>	Not yet assigned
Sheet	3	of	7	<i>Attorney Docket Number</i>	018852-000610US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
	C17	Clarke, "Developmental cell death: morphological diversity and multiple mechanisms", <u>Anat. Embryol.</u> , 181: 195-213 (1990).		T ²
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	C22	Drake et al., "Exogenous vascular endothelial growth factor induces malformed and hyperperfused vessels during embryonic neovascularization", <u>Proc. Natl. Acad. Sci. U.S.A.</u> , 92: 7657-7661 (August 1995).		
	C23	Driever et al., "Zebrafish: genetic tools for studying vertebrate development," <u>TIG</u> , 10(5):152-159 (1994).		
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	C26	Eisses, "Teratogenicity and Toxicity of Ethylene Glycol Monomethyl Ether (2-Methoxyethanol) in <i>Drosophila melanogaster</i> : Involvement of Alcohol Dehydrogenase Activity", <u>Teratog. Carcinog. Mutagen.</u> , 9: 315-325 (1989).		
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	C29	Feucht et al., "VEGF Induces Cardiovascular Malformation and Embryonic Lethality", <u>Am. J. Pathology</u> , 151(5):1407-1416 (November 1997).		
	C30	Folkman, "Clinical Applications of Research on Angiogenesis", <u>N. Eng. J. Med.</u> , 333(26): 1757-1763 (December 28, 1995).		

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	C32	Fouquet et al., "Vessel Patterning in the Embryo of the Zebrafish: Guidance by Notochord", <u>Developmental Biology</u> , 183: 37-48 (1997).			
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	C36	Guest et al., "Evaluation of the rat embryo culture system as a predictive test for human teratogens", <u>Can. J. Physiol. Pharmacol.</u> , 72: 57-62 (1994).			
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	C42	Hitchcock et al., "Investigations into Using the Nematode <i>Caenorhabditis elegans</i> for Municipal and Industrial Wastewater Toxicity Testing", <u>Arch. Environ. Contam. Toxicol.</u> , 33: 252-260 (1997).			
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	C45	Jain et al., "Quantitative angiogenesis assays: Progress and problems", <u>Nat. Med.</u> , 3(11): 1203-1208 (November 1997).			
	C46	Kallman et al. "Genetics of Tissue Transplantation in Isolated Platyrhynchus Populations", <u>Copeia</u> , 1964, pp. 512-522.			

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	C47	Kerbel, "A cancer therapy resistant to resistance", <u>Nature</u> , 390: 335-336 (November 27, 1997).			
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	C51	Law et al., "Hepatotoxicity of the drinking water disinfection by-product, dichloroacetic acid, in the medaka small fish model", <u>Toxicol. Letters</u> , 94: 19-27 (1998).			
	C52	Liao et al., "The zebrafish gene <i>cloche</i> acts upstream of a <i>flik-1</i> homologue to regulate endothelial cell differentiation", <u>Development</u> , 124: 381-389 (1997).			
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	C56	Marret et al., "Caffeine-induced disturbances of early neurogenesis in whole mouse embryo cultures", <u>Brain Research</u> , 773: 213-216 (1997).			
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	C60	Muller et al., "Effect of Concentration on the Cytotoxic Mechanism of Doxorubicin-Apoptosis and Oxidative DNA Damage", <u>Biochem. Biophys. Res. Comm.</u> , 230(2): 254-257 (1997).			
	C61	Mundle et al., "Two <i>In Situ</i> Labeling Techniques Reveal Different Patterns of DNA Fragmentation during Spontaneous Apoptosis <i>In Vivo</i> and Induced Apoptosis <i>In Vitro</i> ", <u>Anticancer Res.</u> , 15: 1895-1904 (1995).			
	C62	O'Reilly et al., "Endostatin: An Endogenous Inhibitor of Angiogenesis and Tumor Growth", <u>Cell</u> , 88: 277-285 (January 24, 1997).			

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	C63	Ozato et al., "Production of transgenic fish: introduction and expression of chicken -crystallin gene in medaka embryos," <u>Cell Differentiation</u> , 19:237-244 (1986).		
	C64	Relou et al., "Effect of culture conditions on endothelial cell growth and responsiveness", <u>Tissue & Cell</u> , 30(5): 525-530 (1998).		
	C65	Rivard et al., "Age-Dependent Impairment of Angiogenesis", <u>Circulation</u> , 99: 111-120 (1999).		
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	C69	Serbedzija et al., "Cell Death in the CNS of the Wnt-1 Mutant Mouse", <u>J. Neurobio.</u> , 31(3): 275-282 (1996).		
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	C78	Steller, "Mechanisms and Genes of Cellular Suicide", <u>Science</u> , 267: 1445-1449 (March 10, 1995).		

Examiner Signature	Date Considered
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Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/766,134
				Filing Date	01-27-2004
				First Named Inventor	Serbedzija, George N.
				Art Unit	1645
				Examiner Name	Not yet assigned
Sheet	7	of	7	Attorney Docket Number	018852-000610US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	C79	Stringer et al., "Rapid Measurement of Toxicity Using Electrochromic Dyes and Frog Embryos", <u>Bull. Environ. Contam. Toxicol.</u> , 51: 557-563 (1993).		
	C80	Thompson, C.B., "Apoptosis in the Pathogenesis and Treatment of Disease", <u>Science</u> , 267: 1456-1462 (March 10, 1995).		
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	C82	Turk et al., "Synthetic Analogues of TNP-470 and Ovalicin Reveal a Common Molecular Basis for Inhibition of Angiogenesis and Immunosuppression", <u>Bioorganic & Medicinal Chemistry</u> , 6: 1163-1169 (1998).		
	C83	Ungvary et al., "Combined Embryotoxic Action of Toluene, a Widely Used Industrial Chemical, and Acetylsalicylic Acid (Aspirin)", <u>Teratology</u> , 27: 261-269 (1983).		
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	C88	Wolff et al., "Dexamethasone Increases Hepatotoxicity of MTX in Children with Brain Tumors," <u>Anticancer Res.</u> , 18: 2895-2900 (1998).		
	C89	Zetter, "Angiogenesis and Tumor Metastasis", <u>Annual Rev. Med.</u> , 49: 407-424 (1998).		

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